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No. 16] NEW DELHI, SATURDAY, APRIL 16, 1977 (CHAITRA 26, 1899)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बंधित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 16th April 1977

APPLICATION FOR PATENTS FILED AT THE
HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

10th March 1977.

354/Cal/77. Plessey Handel Und Investments AG. Improvements in or relating to transmitter/receivers. (March 16, 1976).

355/Cal/77. E. I. Du Pont de Nemours and Company. Herbicidal sulfonamides.

356/Cal/77. P. C. Luther. Portable device for measuring lateral and longitudinal oscillations on a railway vehicle while in motion on the track.

357/Cal/77. UCB, S. A. Process for the production of formamides. March 12, 1976.

11th March 1977.

358/Cal/77. Comprimo B. V. Hydrocarbon cracking or reforming plant and process. (March 15, 1976).

359/Cal/77. Dover Corporation. Method for producing sparking wheels.

360/Cal/77. Mather & Platt Limited. Improvements in or relating to heat sensitive release devices. (March 12, 1976).

361/Cal/77. Elkem-Spigerverket A/S. The purification of high temperature waste gases.

362/Cal/77. Combustion Engineering, Inc. Furnaces design for pulverized coal and stoker firing.

363/Cal/77. W. Lister. A pneumatic percussion hammer.

364/Cal/77. A. K. Gaur. An electrical bell.

365/Cal/77. Metal Cladding, Inc. Improved tank construction. [Divisional date March 6, 1975].

14th March 1977

366/Cal/77. S. J. Kinarivala. Improvement in or relating to textile winders.

367/Cal/77. Westinghouse Electric Corporation. Circuit breaker with operating mechanism having outboard cam and ratchet.

368/Cal/77. Vizgazdalkodasi Tudomanyos Kutato Kozpont. Process for producing a system with a permanent hydraulic bond of high strength.

369/Cal/77. Lucas Industries Limited. A sintered composition. (March 20, 1976).

370/Cal/77. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Pair of thread draw-off rollers for textile machines.

371/Cal/77. Dana Corporation. Fluid actuated operator and clutch linkage.

372/Cal/77. Dana Corporation. Multiple disk clutch stamped adapter ring.

373/Cal/77. Societe Pour LE Development of L'Exploitation DU Palmier A Huile. Process for the industrial treatment of coconuts.

374/Cal/77. Societe Pour LE Development ET L'Exploitation DU Palmier A Huile. Machine for removing the coir of coconuts or the kernel of various fruits.

375/Cal/77. Adeka Argus Chemical Company Limited. Polyhydric phenol coesters. (November 9, 1976).

15th March 1977

376/Cal/77. Ivan Alexandrovich Kolosov, (2) Nikolai Vasilevich Kuryshov, (3) Jury Egorovich Ivanyatov, Vera Nikolayevna Kalininskaya, (5) Igor Kuzmich Yartsev, (6) Arkady Konstantinovich Pugachev and Svetlana Mamatkulovna Savina. Method and apparatus for impregnation of cermet electrodes of an alkaline storage battery.

377/Cal/77. B. Gandhi. An electrical socket.

378/Cal/77. Lucas Industries Limited. A method of producing a sintered composition. (March 20, 1976).

379/Cal/77. General Mills Chemicals, Inc. Purification of tamarind gum.

380/Cal/77. Dr. C. Otto & COMP. GMBH. Apparatus for cleaning the doors of coking ovens.

381/Cal/77. ACI Technical Centre Pty. Ltd. Improvements relating to clay compositions. (March 15, 1976).

**APPLICATION FOR PATENTS FILED AT THE
(DELHI BRANCH)**

24th February 1977

35/Del/77. Council of Scientific and Industrial Research. five speed hub for vehicles such as bicycles.

28th February, 1977

36/Del/77. M. Goyal. A retractable spring-operated garment hanging cord.

5th March 1977

37/Del/77. S. L. Sehgal. The Manufacture of Card can lids.

38/Del/77. H. C. Soni. Washing machine with the automatic tension transmission system.

39/Del/77 S. L. Sehgal. The Manufacture of extra guide rolls.

40/Del/77. K. Gupta. A new kind or type of smoke which is neither cigarette, nor cigar, nor bidi but which belong to said family of smoke.

41/Del/77. D. N. Singhania. A circuit. [Addition to No. 1320/Cal/76].

7th March 1977

42/Del/77. M. L. Sukhia. Juice extracting machine.

**APPLICATION FOR PATENTS FILED AT THE
(BOMBAY BRANCH)**

28th February 1977

76/Bom/77. Ciba-Geigy of India Limited. Process for the manufacture of diaminopyrimidines.

1st March 1977

77/Bom/77. Dr. S. K. Sanghani. Design for folding and portable bicycle with an improved locomotion system eliminating the conventional pedals by means of foot plates operated by pressure of heels.

78/Bom/77. Dr. S. K. Sanghani. Replacing the customary pneumatic tube in the tyre of all road vehicles by means of a mechanical device to serve the same purpose i.e. keeping the tyre inflated.

79/Bom/77. The Arvind Mills Limited. A process for speck dyeing or printing of textile materials in mono or multi colour.

2nd March 1977

80/Bom/77 P. S. Sawhney. The process of tiled floor construction.

81/Bom/77. P. S. Sawhney. The stiffened plywood shutter for doors and windows.

82/Bom/77. P. S. Sawhney. The process of stiffened reinforced cement concrete wall construction.

83/Bom/77. P. S. Sawhney. The Process of decorative floor construction.

84/Bom/77. P. M. Mahabal and S. M. Mahabal. A novel crash helmet carrier for scooters and motor cycles.

85/Bom/77. Francisco Carvalho. A novel locking device.

4th March 1977.

86/Bom/77. Funcraft Industries. Improvement in or relating to adjustable T. V. screen.

87/Bom/77. R. S. Lundas. Water cooler-cum-air cooler.

88/Bom/77. Mrs. Shantabai Shridhar Sathe. Improved water heater.

89/Bom/77. S. R. Sathe. Improved latrine.

5th March 1977.

90/Bom/77. Mechelonic Welders Private Limited. A compound electric switch.

91/Bom/77. Bhavana Chemicals Limited. Improvements in or relating to the manufacture of alcohols from turpentine oil.

92/Bom/77. Dr. Z. Raz and Ben Gurien University of the Negev. Toilet bowl flush system and device therefor. (June 1, 1976).

93/Bom/77. P. C. Saxena, K. J. Rathod and Miss Nalinee Balwant Ghatkar. A device adapted to measure the pressure of fluids.

**APPLICATION FOR PATENTS FILED AT THE
(MADRAS BRANCH)**

7th March 1977.

53/Mas/77. T. Oommen. Generation of electricity from sea waves.

10th March, 1977.

54/Mas/77. C. Hariprasad. A fertiliser.

11th March 1977.

55/Mas/77. K. V. L. Prasadrao. Get-life (A device to prevent accident of auto-mobile vehicles due to collision) exclusive of its kind.

ALTERATION OF DATE

141768. } Ante-dated 2nd August, 1974.
2099/Cal/74. }

141787. } Post-dated 20th March, 1975.
434/Bom/74. }

141794. } Ante-dated 9th June, 1971.
1228/Cal/75 }

141795. } Ante-dated 9th June, 1971.
1309/Cal/75. }

141796. } Ante-dated 18th June, 1973.
2092/Cal/75. }

COMPLETE SPECIFICATIONS ACCEPTED

Notice is hereby given that any person interested in the opposing grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one

month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification respectively."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Shankar Ray Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 107H. 141757.
Int. Cl.-F02m 37/00.

FUEL INJECTION PUMPING APPARATUS.

Applicant: C. A. V. LIMITED, OF WELL STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventor: JAMES CHARLES POTTER.

Application No. 715/Cal/74 filed March 30, 1974.

Convention date April 6, 1973/(16486/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A fuel injection pumping apparatus for supplying fuel to an internal combustion engine and comprising an injection pump having an axially movable control rod for determining the amount of fuel delivered by the injection pump at each injection stroke, governor means comprising a first pivotal link mounted about a fixed axis, a second pivotal link pivotally connected at one end to the first link at a position removed from said fixed axis, a slot defined in said second link, pivot means located in said slot, operator adjustable means for adjusting the position of said pivot means within said slot, said second link being coupled at its other end to said control rod, a spring biased weight mechanism responsive to the speed of the associated engine, a servo-mechanism for effecting movement of said first link about said fixed axis, an operating member for the servomechanism, said operating member being coupled to said weight mechanism whereby movement of the weight mechanism with increasing speed will effect through the servo-mechanism movement of said first link in a direction to reduce the fuel supply to the engine and vice versa, said servo-mechanism acting to isolate the weight mechanism from forces acting on the control rod.

CLASS 6B. 141758.
Int. Cl.-B01d 23/04, 46/00.

IMPROVEMENTS IN FILTER BAGS.

Applicant: WHEELEBRATOR-FRYE INC., OF 299 PARK AVENUE, NEW YORK, NEW YORK UNITED STATES OF AMERICA.

Inventor: CLYDE A. SNYDER.

Application No. 1108/Cal/74 filed May 21, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A filter apparatus in which one or more elongate filter bags are suspended to extend vertically within a filter housing,

means for maintaining gaseous flow for deposition of the particulate material onto the ingoing side of the filter bag surface as the filtered gas passes therethrough, a shaking mechanism, and means for operative engagement between the shaking mechanism and each of the filter bags periodically to shake the bag to effect removal of separated solids from the surface thereof, and means for collecting solids separated from the bags for removal from the filter apparatus, the improvement comprising an operative connection between the shaking mechanism and one or more portions of the bags spaced beyond the end portion whereby a shaking force of greater dimension, magnitude, and frequency is imparted to the entire filter bag.

CLASS 33F.

141759.

Int. Cl.-B22c 9/06.

MOLD FOR USE IN CONTINUOUS CASTING OF METALS.

Applicant: USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors: PAUL MARKLE AUMAN, JOHN WILLETT BOWER, JR., AND HUGH EUGENE PRY.

Application No. 1128/Cal/74 filed May 23, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

In a continuous-casting mold which includes an open-ended liner of heat conductive metal, and backup plates fastened to the outside faces of said liner, said liner having a series of vertical ribs in its outside faces defining with said backup plates a plurality of parallel unobstructed water-circulation passages, the combination therewith of improved means fastening said backup plates to said liner, said means comprising opposed laterally directed lips formed on certain of said ribs, metal strips inserted in these passages under said lips, the latter ribs defining with said strips additional unobstructed water-circulation passages, studs fixed to said strips and extending through said backup plates, and nuts threadedly engaged with said studs outside said backup plates.

CLASS 129Q.

141760.

Int. Cl.-B21c 37/08, B23k 29/00.

IMPROVEMENTS IN OR RELATING TO THE MONITORING OF WELDING.

Applicant: BRITISH STEEL CORPORATION, OF 33 GROSSVENOR PLACE, LONDON, S.W. 1, ENGLAND.

Inventor: CLIVE JAMES ARTHUR BOSWORTH.

Application No. 1130/Cal/74 filed May 23, 1974.

Convention date June 18, 1973/(28873/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Apparatus for monitoring thermal profiles existing across metal surfaces to be welded together as they pass between heat treatment and welding stages of continuous welding plant, comprising a television camera operable to view the surfaces as they pass between said stages, and a wave-form monitor operable to receive electrical signals from the camera to produce a visual wave-form representation of thermal profiles existing across the viewed surfaces.

CLASS 32F, & F, b.

141761.

Int. Cl.-C07d 95/00, 99/02.

PROCESS FOR PREPARING PLANT GROWTH REGULANTS.

Applicant: AMERICAN CYANAMID COMPANY, AT WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

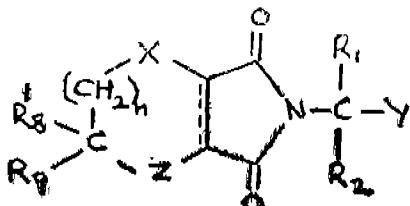
Inventors : MARINUS LOS AND BRYANT LEONIDAS WALWORTH.

Application No. 1197/Cal/74 filed May 31, 1974.

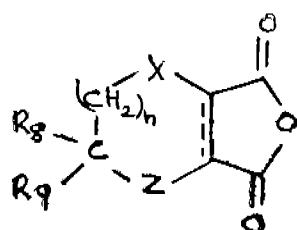
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

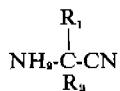
A method for the preparation of a compound of the formula I.



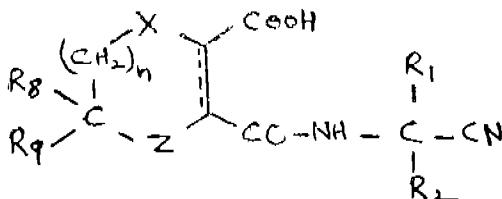
wherein Y is —CN and R_1 and R_2 each represent alkyl $C_1\text{—}C_4$ or when taken together with the carbon to which they are attached form cycloalkyl $C_4\text{—}C_6$; X is CH_2 or S; Z is S, O or SO, provided that when Z is O, X cannot be S; R_8 is hydrogen, alkyl $C_1\text{—}C_4$, phenyl, monohalophenyl, monoalkyl ($C_1\text{—}C_4$) phenyl, mono-alkoxy ($C_1\text{—}C_4$) phenyl, mononitrophenyl or trifluoromethyl-phenyl; R_9 is hydrogen or alkyl $C_1\text{—}C_4$; — is a double or single bond; and n is 0 or 1; and salts thereof comprising reacting a compound of the structure shown in formula II.



wherein R_1 and R_2 are as described above, in the presence of the formula XVII.



wherein R_1 and R_2 are as described above, in the presence of an inert solvent at temperature between 20°C . and 60°C to form a product of the formula XII.



wherein R_1 , R_2 , R_8 , R_9 , X, Z and n are as described above; thereafter cyclizing the product by heating and when desired treating the product thus obtained with a strong acid at a temperature of -10°C to 30°C , the salts being prepared in a conventional manner.

CLASS 140B.

141762.

Int. Cl.-C10g 21/06, C10g 21/08, C10g 21/28.

METHOD FOR REMOVING SULFUR AND NITROGEN COMPOUND CONCENTRATIONS IN PETROLEUM OILS.

Applicant : KVB INC., AT 17332, IRVINE BLVD., TUSTIN, CALIFORNIA, U.S.A.

Inventors : EUGENE DANIEL GUTH AND ARTHUR FRED DIAZ.

Application No. 1365/Cal/74 filed June 20, 1974.

Convention date May 15, 1974/(21566/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

32 Claims.

The method of removing sulfur and nitrogen compound concentrations in petroleum oil which comprises : (a) exposing petroleum oil to an oxidizing gas containing one or more oxides of nitrogen chosen from the following list : NO_2 , N_2O_3 , N_2O_4 and N_2O_5 , whereby sulfur and nitrogen compounds in said petroleum oil are oxidized; (b) mixing said exposed petroleum oil with a solvent selected from methanol, methanol-water mixtures, methanol-ethanol-water mixtures, and methanol-inorganic salt solutions, said solvent being substantially immiscible with said oil but being a solvent for said oxidized sulfur and nitrogen compounds, said oxidized sulfur and nitrogen compounds dissolving in said solvent; and (c) separating said oil from said solvent solution.

CLASS 186A & 206E.

141763.

Int. Cl.-H03h 7/44.

CIRCUIT ARRANGEMENT INCLUDING A GYRATOR RESONANT CIRCUIT.

Applicant : N. V. PHILIPS' GLOEILAMPENFABRIEK, AT EMMASINGEL 29, EINDHOVEN, NETHERLANDS.

Inventors : JOHANNES OTTO VOORMAN, NICOLAAS VAN HURK AND ARNOLDUS BIESHEUVEL.

Application No. 1607/Cal/74 filed July 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Circuit arrangement including a resonant circuit in the form of a gyrator having a first port and a second port which each are terminated by a capacitor, characterized in that the said gyrator comprises a first series circuit constituted by a first voltage-controlled current source (VCCS) of positive transconductance having a first controllable current multiplier connected to its output and a second series circuit constituted by a (second) voltage-controlled current source of negative transconductance having a second controllable current multiplier connected to its output, the output of the said first controllable current amplifier and the input of the said second voltage-controlled current source being interconnected to form the said second gyrator port, whilst the output of the said second controllable current multiplier and the input of the said first voltage-controlled current source are interconnected to form the said first gyrator port, and in that the said gyrator further comprised at least one capacitor leakage current circuit which is connected between one of the gyrator ports and the input of the voltage-controlled current source coupled to the other port and which includes at least a third controllable current multiplier, a first control current circuit which for setting the circuit quality factor Q is connected to a control input of the said third controllable current multiplier, and a second control current circuit which for setting the resonant frequency of is connected to a control input common to the said first and second controllable current multipliers.

CLASS 155B & C & F.

141764.

Int. Cl.-C09j 7/02, B29d 9/00.

A HIGH PRESSURE LAMINATE AND A METHOD OF PRODUCING THE SAME.

Applicant : THE ORCHARD CORPORATION OF AMERICA, AT 1154 RECO AVENUE, CRESTWOOD, MISSOURI 63126, UNITED STATES OF AMERICA.

Inventors : PASCO RICHARD SANTURRI, HOWARD WILLIAM MUMM, ROBERT LARRY FLOWERS AND ROBERT ALLEN EATON.

Application No. 1735/Cal/74 filed August 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

28 Claims. No drawings.

A high pressure laminate comprising an overlay sheet of cellulosic material, a decorative sheet having a printed side and a backside and a core comprising of a multiplicity of sheets of cellulosic material, said decorative sheet being presented with its printed side immediately underlying the confronting face of said overlay sheet, first fusing means fusing said decorative sheet to said overlay sheet and second fusing means fusing said core sheets each to the other, the backside of said decorative sheet immediately overlying said core.

CLASS 47C & E. 141765.
Int. Cl.-C10b 31/00.

IMPROVEMENTS IN OR RELATING TO CHARGING MACHINES FOR COKE OVENS.

Applicant : SIMON-CARVES LIMITED, OF BIRDHALL LANE, CHEADLE HEATH, STOCKPORT, CHESHIRE, ENGLAND.

Inventor : LEWIS AINSLEY WATSON.

Application No. 1850/Cal/74 filed August 17, 1974.

Convention date October 4, 1973/(46352/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A coke oven battery of the kind referred to characterised by the provision of an annular recess surrounding each aperture in the roof of the oven and a compressible sealing medium disposed in said recess, each said downwardly directed sleeve being so dimensioned as to engage with the upper surface of said sealing medium during the charging operation.

CLASS 12C & 129B & J & Q. 141766.
Int. Cl.-B21c 1/02.

METHOD OF PRODUCING COPPERPLATED STEEL WIRE AND AN APPARATUS THEREOF.

Applicant : KABEL-UND METALLWERKE GUTEHOF-FNUNGSCHUTTE AKTIENGESELLSCHAFT, OF 3000 HANNOVER, POSTFACH 260, VAHRENWALDER STRASSE 271, WEST GERMANY.

Inventors : WOLFRAM KLEBL, FRIEDRICH SCHATZ, HARRY STASCHEWSKI AND GERHARD ZIEMEK.

Application No. 1908/Cal/74 filed August 24, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A method of producing copperplated steel wire wherein a longitudinally fed copper strip is bent into the form of a slit tube around a continuously advanced steel wire and the edges of the slit tube are welded together, the resulting composite wire subsequently being reduced in cross-section, in which method the copper strip is bent into the form a slit tube the inside diameter of which is greater than the outside diameter of the steel wire, the longitudinal weld seam is formed by inert gas protected electric arc welding, the resulting welded copper tube is drawn down on to the steel wire so that it fits closely thereto, the resulting composite wire is heated to at least 850°C, and is reduced in cross-section while so heated, by at least 10%.

CLASS 63H. 141767.
Int. Cl.-H02k 1/00.

MOLDED MAGNETIC CORES UTILIZING CUT STEEL PARTICLES.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA, 15222, UNITED STATES OF AMERICA.

Inventors : NORMAN MICHAEL PAVLIK AND JAMES WARREN CUNNINGHAM.

Application No. 1964/Cal/74 filed September 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

23 Claims.

A method of producing magnetic core components for electrical apparatus, the steps comprising severing microlaminations from thin, flat strips of ferrous alloys, said microlaminations being substantially of elongated rectangular shape, annealing said microlaminations in decarburizing and deoxidizing atmospheres to improve the magnetic characteristics by reducing carbon and oxygen to low values and relieving stresses, applying a thin elastic electrical insulation to the microlaminations, assembling a plurality of the microlaminations within a mold of predetermined configuration, aligning the microlaminates into a desired orientation, and thereafter pressing the aligned microlaminations into the solidified configuration of the desired core component.

CLASS 155B & C & F₂. 141768.
Int. Cl.-C09j 7/02, B29d 9/00.

A DECORATIVE SHEET FOR USE IN A LAMINATE.

Applicant : THE ORCHARD CORPORATION OF AMERICA, AT 1154, RECO AVENUE, CRESTWOOD, MISSOURI 63126, UNITED STATES OF AMERICA.

Inventors : PASCO RICHARD SANTURRI, HOWARD WILLIAM MUMM, ROBERT LARRY FLOWERS AND ROBER ALLEN EATON.

Application No. 2099/Cal/74 filed September 20, 1974.

Division of Application No. 1735/Cal/74 filed August 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims. No drawings.

A decorative sheet for use in a high pressure laminate having an overlay and a core, said sheet comprising a thin, flexible body of fibrous cellulosic material having a printed side and a backside, said material being unimpregnated and having a low apparent density, a low basis weight and a relatively high porosity.

CLASS 39L. 141769.
Int. Cl.-C01f 7/02.

A METHOD OF PRODUCING A PRODUCT CONTAINING AN ALKALI SOLUBLE ALUMINA.

Applicant & Inventor : HYMAN MOSES LOWENSTEIN AND ARTHUR MICHAEL LOWENSTEIN, BOTH OF 1 HEARN DRIVE, NORTHCLIFF, JOHANNESBURG, TRANSVAAL, REPUBLIC OF SOUTH AFRICA.

Application No. 2189/Cal/74 filed September 28, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A method of producing a product containing an alkali soluble alumina including the steps of contacting an aluminium bearing material with concentrated sulphuric acid containing 80 to 100 weight per cent sulphuric acid at a temperature between 160° and the boiling point of the acid to obtain a substantially anhydrous hard product containing aluminium sulphate and decomposing the product at a decomposing temperature below 800°C to obtain a product containing an alkali soluble alumina.

CLASS 67C & 167C. 141770.
Int. Cl.-G01n 23/02, G01n 33/02.

APPARATUS FOR AUTOMATICALLY SELECTING BETWEEN A PLURALITY OF GENERALLY SPHERICAL OBJECTS BASED ON THE OPTICAL TRANSPARENCY CHARACTERISTICS THEREOF.

Applicant : SUNKIST GROWERS, INC., OF 14130 RIVERSIDE DRIVE, SHERMAN OAKS, STATE OF CALIFORNIA, UNITED STATES OF AMERICA.

Inventors : TIM DENNIS CONWAY AND PAUL FRANK PADDOCK.

Application No. 2212/Cal/74 filed October 3, 1974.

Addition to No. 134662.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

22 Claims.

Apparatus for automatically selecting between a plurality of generally spherical objects based on the optical transparency characteristics thereof, which comprises :

- (a) a source of light-rays;
- (b) means for translating successive changes in transparency between different parts in scanning paths on opposite sides of the center of each object subjected to said light-rays into an integrated electrical signal; and
- (c) means electrically coupled to receive the electrical signal and being capable of selecting between the objects on the basis of such electrical signal.

CLASS 29A & 67C.

141771.

Int. Cl.-G06f 15/00.

APPARATUS FOR FACILITATING A CO-OPERATION BETWEEN AN EXECUTIVE COMPUTER AND A RESERVE COMPUTER.

Applicant : TELEFONAKTIEBOLAGET L M ERICSSON, S-126 25 STOCKHOLM, SWEDEN.

Inventor : BENGT ERIK OSSFELDT.

Application No. 2272/Cal/74 filed October 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims.

Apparatus in a system consisting of an executive computer (E) and a reserve computer (R) mainly identical with this to facilitate a co-operation between the computers, for example to update the reserve computer with data produced by the executive computer which before the co-operation runs in separate working so that the reserve computer then works parallel-synchronously with the executive computer, the synchronism being achieved by timing pulses generated for example by a clock generator (CG) which is common for both computers and connected to the computers via a timing bus (tbe, tbr) included in a bus system, the computers each comprising a plurality of addressable function units (FUe, FUr), for example memory unit, arithmetical unit, process register, between which function units data are transferred through a data bus (dbe, dbr), and addresses and orders are transferred through an order bus (obe, obr) the busses being included in said bus system, and of which function units at least one contains a sequence of selectable instruction registers (IRSc, IRSr) to store instructions which are read out and processed one by one during its processing cycle activated by the clock generator and comprising a number of timing phases, characterized in that the apparatus comprises a start pulse source (SP) which is connected to the clock generator and to said bus system in each computer and which upon a primary start pulse (ps) initiates the start process for the parallel working of the computers, a data transferring channel (DCH) unidirected from the data bus (dbe) of the executive computer to the data bus (dbr) of the reserve computer, said channel used for the co-operation, because of its construction, forcing on the transferred data a determined time-delay which exceeds the length of a timing phase, and at least one time-delay element which achieves that the start pulse source initiates the start of the reserve computer in relation to the start of the executive computer with a time-delay mainly equal to the time-delay forced by said data transferring channel because of its construction (Fig 1—3).

CLASS 99B.

141772.
Int. Cl.-B65d 3/00.

A CONTAINER WITH A SEAM, A METHOD FOR MAKING IT AND BODY BLANK FOR FORMING THE SAME.

Applicant : THE METAL BOX COMPANY LIMITED, OF 37 BAKER STREET, LONDON, W1A 1AN, ENGLAND.

Inventors : JOHN BEVERIDGE, THOMAS RODERICK HARRIES DAVIES, FRED FIDLER AND MAURICE FRANK RING.

Application No. 2561/Cal/74 filed November 19, 1974.

Convention date November 28, 1973/(55171/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A container body side seam comprising a body wall having interlocking hook portions facing in opposite directions, a strip of adhesive bonded to each of said hook portions, and said adhesive strips being bonded together.

CLASS 129J.

141773.

Int. Cl.-B21b 1/08.

A TOOL HEAD FOR LONGITUDINAL COLD ROLLING OF MULTISPINE SHAFTS.

Applicant : EKSPERIMENTALNY NAUCHNO-ISSLED OVATELSKY INSTITUT METALLOREZHUSCHIKH STANKOV, OF 5 DONSKOI, PROSZD, 21B, MOSCOW, USSR.

Inventors : MIKHAIL ABRAMOVICH ESTERZON, VIKENTYLEONTIEVICH KASPEROVICH, VALENTIN NIKOLAEVICH KUSTOVSKY, VALERY FILIPPOVICH LUKICHEV, JURY GEORGIEVICH KOZYREV AND MIKHAIL OSIPOVICH YAKOBSON.

Application No. 2578/Cal/74 filed November 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A tool head for cold rolling multispline shafts longitudinally, comprising a base support; wedge-like sliders arranged on said base support adjustably movable in respect to a common centre point coinciding with a conventional axis of rolling splined shaft, said sliders having the comparatively narrow ends thereof facing each other about the common centre point; shaping rollers, each mounted on an axle at said comparatively narrow end of each slider and rotatable in radial planes, whose line of intersection coincides with said longitudinal axis of rolling, each shaping roller being composite and made of at least two adjacent disks whose shaped periphery portions are made in such way that a clearance there between corresponds to a predetermined profile of the spline projection of the shaft to be rolled; said base support being provided with guiding radial slots for each shaping roller wherein the portions of the end surfaces of the roller are supported to keep the correct radial position of the roller during rotation thereof and shifting the sliders in the course of adjusting the profile of the rolling, a casing accommodating therein all said sliders of the tool head.

CLASS 101B.

141774.

Int. Cl.-B63c 11/00.

AN ARRANGEMENT IN OR RELATING TO A VESSEL FOR PERFORMING DIVING OPERATIONS BY MEANS OF A DIVING BELL.

Applicant & Inventor : THOR OVE HAAVIE, OF INCOGNITO TERRASSE 1 II, OSLO 2, NORWAY.

Application No. 275/Cal/75 filed February 13, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

An arrangement in or relating to a vessel for performing diving operations by means of a diving bell which may be lowered and raised from working position from the vessel by means of wires or the like, characterized in that the vessel comprises a docking chamber for the diving bell said chamber being arranged on such a depth that it always will be positioned below the water level and is surrounded by a dry room which preferably has atmospheric pressure, said docking chamber being in open connection with the sea at the bottom and at the top being equipped with coupling means for tight connection to the diving bell when this is present in the water filled space of the docking chamber.

CLASS 11D.

141775.

Int. Cl.-A01n 23/20.

COLLAPSIBLE LIVE ANIMAL TRAP.

Applicant : WOODSTREAM CORPORATION, AT IITI-TZ, PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventors : ANTHONY JOSEPH SOUZA, AND HARLAN WEAVER MARTIN.

Application No. 300/Cal/75 filed February 17, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A collapsible live animal trap characterized by a generally box-like cage including a top section; a bottom section; opposing side walls hingedly coupled along top and bottom edges thereof to both said top and bottom cage sections respectively; opposing end walls hingedly coupled along an edge thereof to one of said top and bottom cage sections, at least one of said end walls being defined by a controllable door means for selectively providing an entrance and egress passage to and from said cage to effect trapping of an animal within the interior of said cage; and wherein each of said side walls further incorporates a hinge axis therein disposed parallel to said top and bottom edges and substantially equidistant there between about which said side walls are foldable; whereby said cage can be collapsed into a flattened state for transport by folding each said endwall inwardly about said hinge coupling along said edge thereof, by inwardly displacing said hinge axis of each sidewall such that each sidewall is folded upon itself, and by thereafter displacing said top and bottom cage sections towards one another.

CLASS 206D.

141776.

Int. Cl.-H03k 3/00.

IMPROVEMENTS IN OR RELATING TO PCM REGENERATORS.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, FEDERAL REPUBLIC OF GERMANY.

Inventor : JOSEF DOMER.

Application No. 869/Cal/75 filed April 29, 1975.

Convention date January 3, 1975/(225/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A PCM regenerator comprising an input transformer, an amplitude decision device, a time decision device, a pulse amplifier, and a pulse shaper coupled in series with one another; and further comprising a timing signal generator and a phase discriminator to which in operation signals from the amplitude decision device and a timing signal generated by the timing signal generator are applied and which serves to provide a control signal for controlling the frequency of the generated timing signal, wherein the timing signal is also applied to the time decision device, and wherein each of the amplitude decision device, the time decision device, and the phase discriminator includes two separate signal paths, one for positive and the other for negative input signals.

CLASS 11D.

141777.

Int. Cl.-A01m 23/16.

IMPROVEMENTS IN OR RELATING TO RAT EXTERMINATION CHAMBERS.

Applicant & Inventor : (MRS.) JUSTINA SYNNAH AND ARTHUR ROSEBOOM, BOTH OF "VILLA CAPRI", NON-GRIM ROAD, LAITUMKHRAH, SHILLONG 793003, ASSAM, INDIA.

Application No. 1319/Cal/75 filed July 7, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An improved rat extermination chamber which consists of a structure having the under-mentioned parts for its main parts :—

- (i) a roof;
- (ii) a floor base;
- (iii) enclosing walls;
- (iv) a ramp for each wall face having a hole;
- (v) a chute between each ramp and its corresponding wall hole;
- (vi) a bait hanger; and
- (vii) a door provided on each wall.

CLASS 32B.

141778.

Int. Cl.-C07c 9/00, 11/00.

A PROCESS FOR THE PREPARATION OF HYDROCARBONS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., OF CAREL VAN BYLANDT-LAAN 30, THE HAGUE, THE NETHERLANDS.

Inventor : MAARTEN JOHANNES VAN DER BURGT.

Application No. 1503/Cal/75 filed July 30, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims. No drawings.

A process for the preparation of hydrocarbons, characterized in that the process comprises the following steps :

(1) preparation of a hydrogen- and carbon monoxide-containing gas by partial combustion of a carbonaceous material at a temperature in the range from 900 to 1800°C, a pressure in the range from 1 to 200 bar abs. and a residence time in the range from 0.1 to 12 seconds.

(2) conversion of carbon monoxide with steam into carbon dioxide and hydrogen in the gas obtained in step (1) under reaction conditions such as herein described.

(3) cooling at least part of the gas obtained in step (2) at a pressure in the range from 1 to 200 bar abs. to a temperature in the range -10 to -80°C at which part of the carbon dioxide condenses or sublimates and 50 to 80% of the liquid or solid carbon dioxide is separated from the gas.

(4) reaction of the remaining gaseous carbon dioxide with hydrogen to form hydrocarbons at a temperature in the range from 150 to 380°C and a pressure in the range from 2 to 100 atm. e. in the presence of a catalyst such as herein described.

(5) separation and drying of the resultant hydrocarbons.

CLASS 32F_c.

141779.

Int. Cl.-C07c 31/04.

A PROCESS FOR THE PREPARATION OF METHANOL.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., OF CAREL VAN BYLANDT-LAAN 30, THE HAGUE, THE NETHERLANDS.

Inventor : HENDRIK WILLEM VAN 'T VEER AND MAARTEN JOHANNES VAN DER BURGT.

Application No. 1504/Cal/75 filed July 30, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims. No drawings.

A process for the preparation of methanol, characterized in that this process comprises the following steps :

(1) preparation of a hydrogen- and carbon monoxide-containing gas by partial combustion in a known manner of a carbonaceous material such as herein described.

(2) conversion of carbon monoxide with steam in a known manner into carbon dioxide and hydrogen in the gas obtained according to step (1)

(3) separation of part of the carbon dioxide from the gas obtained in step (2) in a known manner.

(4) reaction of remaining gaseous carbon dioxide with hydrogen to form methanol at a temperature in the range from 300 to 375°C, a pressure in the range from 270 to 350 bar, abs. and over a catalyst consisting of Zn, Cu and/or Cr and/or one or more oxides of these metals supported on a carrier, (5) drying of the resultant methanol.

(5) drying of the resultant methanol.

CLASS 32A, & 62 & C₁ & 154H.

141780.

Int. Cl.-C09b 43/16, D06p 1/02.

PROCESS FOR THE PREPARATION OF CYANAZO DYESTUFFS.

Applicant : BAYER AKTIENGESELLSCHAFT, OF LE-VERKUSEN, FEDERAL REPUBLIC OF GERMANY.

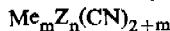
Inventor : RAINER HAMPRECHT.

Application No. 2103/Cal/75 filed November 3, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

Process for the preparation of practically metal-free o-cyanoazo dyestuffs by reaction of corresponding o-halogeno-azo dyestuffs with metal cyanides, characterised in that the reaction is carried out with zinc compounds of the formula I.



where m represents an alkali metal and
 n represents the numbers 0, 1 or 2
in the present of small amounts of copper-I compounds.

CLASS 32F.c.

141781.

Int. Cl.-C07c 103/00.

PROCESS FOR THE PREPARATION OF HYDROZODICARBOXYLIC ACID AMIDE.

Applicant : BAYER AKTIENGESELLSCHAFT, OF LE-VERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : GOTTFRIED GOLLMER AND DATTA-TRAYA KASHELIKAR.

Application No. 132/Cal/76 filed January 22, 1976.

Convention date October 13, 1975/(41819/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A process for the preparation of hydrazodicarboxylic acid amide comprising reacting urea with hydrazine or hydrazine hydrate in an aqueous medium at a temperature of from 105 to 140°C and a pressure of from 1.2 to 3.8 bars.

CLASS 39L & 141E.

141782.

Int. Cl.-C01g 49/06.

RECOVERY OF IRON VALUES FROM WASTE PICKLE LIQUOR.

Applicant : THE TATA IRON AND STEEL COMPANY LIMITED, JAMSHEDPUR, BIHAR, INDIA.

Inventors : ARUN VITHAL SATHE AND AMIT CHATTERJEE.

Application No. 2131/Cal/76 filed November 30, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawings.

A method for the manufacture of ferrite grade iron oxide from waste pickle liquor which comprises concentrating waste pickle liquor in a special steel vessel and precipitating ferrous sulphate hepta-hydrate therefrom, removing the precipitated material and subjecting the same to a two-stage roasting operation, both carried out independently in special steel rotary furnaces, the first stage roasting being carried out a temperature below 500°C, to obtain ferrous sulphate mono-hydrate and thereafter carrying out the second stage roasting at a temperature above 500°C. but below 1000°C. to obtain ferric oxide followed by subjecting the product of the second stage roasting operation to a purification step which is effected by washing the ferric oxide obtained with demineralised water so as to remove any unconverted ferrous sulphate mono-hydrate.

CLASS 95K.

141783.

Int. Cl.-B25b. 13/58.

IMPROVEMENTS IN OR RELATING TO SPANNERS.

Applicant & Inventor : CULADAIVEL THANGAVEL MUTHUKUMARASWAMY, 53, NEW STREET, MANDADY, MADRAS-600 001, TAMIL NADU, INDIA.

Application No. 70/Mas/74 filed April 9, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims.

A spanner head comprising a housing having a central hole of diameter larger than the maximum diametrical size or across-corner size of the mating regular sided fastener head, at least three but preferably six numbers of crescent shaped apertures having their centres located, equally spaced on a pitch circle that is concentric to the said central hole, each of the said apertures being force fitted with drive pins or pegs, and the diameter of the pitch circle on which the centres of the apertures are located being approximately equal to the sum of the diameter of one of the said drive pins or pegs and the means of the maximum and minimum diametrical sizes or the across corner and the across flat sizes of the said mating fastener head so that a portion of each of the drive pins or pegs projects into the said central hole such that when the spanner head is slipped over the fastener head and swivelled into action, the points or lines of contact between the spanner head and the fastener head lie only on the said projected portions of the drive pins in respect of the spanner head and lie well before the corners or edges in respect of the fastener head thereby avoiding damage to the said corners of the fastener head.

CLASS 23B & 128G.

141784.

Int. Cl.-A45c 3/02.

AN IMPROVED BOX OR SUITCASE.

Applicant & Inventor : DR. MUSTAFA ZAINU ABDEEN, REGISTERED MEDICAL PRACTITIONER KADAYANATLUR, VIA-TENKASI, TIRUNELVELI DIST. TAMIL NADU, INDIA.

Application No. 168/Mas/74 filed November 2, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims.

A box or suitcase comprising a top or cover portion, and a bottom or container portion, the top portion being adapted to close over or cover the bottom portion, the said top portion having means adapted to hold a plurality of articles, such as vials ampoules or medicine bottles, the said bottom portion being divided into a plurality of compartments, and at least one of said compartments having a false bottom to provide a further compartment therebelow.

CLASS 95C.

141785.

Int. Cl.-B25b 1/06.

A HYDRAULIC VICE.

Applicant & Inventors : PUTTUR RANGASWAMY, SRI-NIVASAN, OFPRS EQUIPMENT DIVISION, NO. 6,

BANGALORE CO-OPERATIVE INDUSTRIAL ESTATE LIMITED, OKALIPURAM, BANGALORE-560 021, KARNATAKA, INDIA.

Application No. 31/Mas/76 filed February 21, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims.

A hydraulic vice comprising a first jaw mounted immovably on a base-member; a second jaw slidably engaged with, and linearly movable on, the base-member; a rotatable first spindle thereaddedly engaged with a nut which is immovably fastenable, for constraining the second jaw, whenever necessary, to move in a direction towards the first jaw, characterised in that a cylinder containing oils is disposed within the second jaw; a rotatable second spindle is threadedly engaged with the interior of the first spindle and provided with a piston for applying a thrust, whenever necessary, to the oil and for thus transmitting the thrust to the second jaw in a direction towards the first jaw; and a rotatable and linearly movable shaft is separately engageable with the first and second spindles.

CLASS 127G.

141786.

Int. Cl.-E16h 26/06.

A SPEED REDUCTION MECHANISM.

Applicant : BEST & CROMPTON ENGINEERING LIMITED, 13/15, NORTH BEACH ROAD, MADRAS-600 001, TAMIL NADU, INDIA.

Inventor : VALAVOOR KOVILAGAM KRISJINA VARMA.

Application No. 88/Mas/76 filed May 12, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

4 Claims.

A speed reduction mechanism having its input end connected to its output end by a drive system comprising one or more rotary drive members; and one or more geneva wheels intercoupled to the drive member or drive members and mounted on shafts, at least one of the said shafts being provided at the input end and at least one other of the said shafts being provided at the output end, such that a drive applied at a given rotational speed to the shaft or shafts at the input end is transmitted intermittently and at a reduced rotational speed to the shaft or shafts at the output end.

CLASS 67A & 126A.

141787.

Int. Cl.-G01n 27/18

DEVICE FOR DETECTION AND SENSING OF DEOXIDISING GASES.

Applicant & Inventor : SUBHASH SHANKARRAO PODWAL, RESIDING AT 386/F/39, V. P. ROAD, GIRGAUM, BOMBAY-400 004, STATE OF MAHARASHTRA, INDIA.

Application No. 434/Bom/74 filed December 12, 1974.

Post-dated March 20, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims.

A device for the detection and sensing of deoxidising gases comprising of two electrodes encapsulated in a bead of a bulk type crystalline semiconductor based on tin oxide of N-type character; a source of supply for heating one of the electrodes; an amplifying circuit connected to the other electrode which amplifies the current generated by it in the encapsulated bead in the presence of a deoxidising gas; a relay connected to the amplifying circuit which is critically adjusted to trip when the current generated by the said other electrode in the bead and amplified by the amplifying circuit become greater than the critical adjustment; a flasher and siren circuit attached to the relay unit which are activated when the relay trips; and a source of supply for operating the amplifying circuit and flasher and siren circuit.

2-27GI/77

CLASS 189.

141788.

Int. Cl.-A61k 7/00.

PROCESS FOR MAKING TOOTHPASTE.

Applicant : HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, OF 165-166 BACKBAY RECLAMATION, BOMBAY-400020, INDIA.

Inventor : UNILEVER LIMITED, JAMES COULSON AND MALCOM RICHARD NEARN.

Application No. 54/Bom/75 filed March 5, 1975.

Convention date March 7, 1974/(10303/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims. No drawings.

A process of making a tooth paste which comprises preparing a tooth paste in a conventional manner containing a corrosive form of alumina trihydrate with the improvement that an inhibitor to prevent the swelling of the aluminium tooth paste tubes containing the tooth paste is incorporated in the tooth paste at the time of making the tooth paste, said inhibitor being a silica sol, the particles of which are negatively charged.

CLASS 129P.

141789.

Int. Cl.-B23b 31/00.

CHUCK WITH JAW ADJUSTING ATTACHMENT.

Applicant & Inventor : SHRI MAKARAND MADHUSUDAN BAPAT, D-1, SHARADASHRAM, BHAVANI SHANKAR ROAD, DADAR, BOMBAY-28, MAHARASHTRA STATE, INDIA.

Application No. 179/Bom/75 filed June 30, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

A chuck with jaw adjusting attachment comprising a body with plurality of slots on its front face holds a plurality of bevel pinions engaged with the teeth of scroll plate, a scroll plate has a spiral groove on its front face to engage with the teeth provided on the rear face of the jaw carrier, a plurality of jaw carriers slidably mounted in the said slots of the said body and each of the jaw carrier has semicircular recess on its front face to hold the lead screw in position, a plurality of jaws having threads on its rear face to engage with the threads of the said lead screw, and as and when the said bevel pinion is rotated with the help of extraneous wrench, the said scroll plate rotates and moves the plurality of jaw carriers simultaneously towards or away from the centre of the said chuck body along with the jaws mounted on each of the jaw carrier and as and when the said lead screw is rotated with the help of extraneous wrench the rotation of the said lead screw causes the forward or backward movement of the jaw as the engagement of the threads of said jaw and lead screw, with respect to said jaw carrier.

CLASS 32F.a.

141790.

Int. Cl.-C07f 9/12.

IMPROVEMENTS IN OR RELATING TO THE MANUFACTURE OF TRIPHENYL PHOSPHATE FROM PHENOL AND PHOSPHOROUS OXYCHLORIDE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventor : RAI KISHORE MATHUR, JOGENDRA NATH BARUAH, ABHU GHANIM, KOTAWIL, WALLAPIL GOPINATH, MADHUR SRINIVAS TYENGAR.

Application No. 642/Cal/74 filed March 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims. No drawings.

A process for the production of triphenyl phosphate by heating phenol and phosphorous oxychloride, characterised in that the reaction is carried out in presence of a catalytic amount of phosphorous pentachloride.

CLASS 128C.
Int. Cl.-A61c. 13/00.

141791.

A TRAY FOR THE IN-SITU FORMATION OF DENTURES AND A METHOD OF FORMING THE TRAY.

Applicant & Inventor: SIDNEY SCHNEIDER, OF 576 SUSSEX AVENUE, MORRISTOWN, N. J., UNITED STATES OF AMERICA AND HARRY SELIG KATZ, OF 785, PLEASANT VALLEY WAY, WEST ORANGE, N.J., UNITED STATES OF AMERICA.

Application No. 719/Cal/74 filed March 30, 1974.

Convention date April 3, 1973/(15818/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A tray for the in-situ formation of a denture, contoured to correspond to the shape of a denture and carrying false teeth, in which a part of the area of the tray is formable from a first rest position to a second rest position.

CLASS 174D.
Int. Cl.-F16f 3/00, 3/02.

141792.

IMPROVEMENTS IN OR RELATING TO SPRINGS.

Applicant & Inventor: VINESH MOHAN GOYAL, 3, BHAGAT NIWAS, BHAGAT MARG, 'C' SCHEME, JAI PUR, RAJASTHAN, INDIA.

Application No. 1251/Cal/74 filed June 10, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

12 Claims.

An improved compression spring for use in preloading, shock, absorption and energy dissipation or storage operations or the like comprising one or an assembly of a number of individual spring elements or members placed one over the other characterised in that each of the spring element is in the configuration of a conical shaped disc in the form of a washer with a central opening, the inner and outer edges of said washer-like spring element being elastically and axially displaceable with respect to each other.

CLASS 97F.
Int. Cl.-F27. 7/00.

141793.

AN ELECTRIC SMELTING FURNACE.

Applicant: ELKEM-EPIGERVERKET A/S, OF ELKEM-HUSET, MIDDELTHUNSGATE, 27, OSLO 3, NORWAY.

Inventor: HARALD KROGSRUD.

Application No. 2332/Cal/74 filed October 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

An electric smelting furnace comprising a furnace pot having a substantially vertical axis, at least one hollow opening bottomed member mounted within the pot substantially coaxially therewith, and means for rotating or oscillating the member relative to the pot about the common vertical axis.

CLASS 32F_a & 55E_c & 60X_d.
Int. Cl.-C07c 123/00.

141794.

PROCESS FOR THE PRODUCTION OF NEW AMINO-PHENYLAMIDINES.

Applicant: BAYER AKTIENGESELLSCHAFT, FORMERLY KNOWN AS FARBENFABRIKEN BAYER AKTI-

ENGESLCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: HARTMUND WOLLWEBER AND WINFRIED FLUCKE.

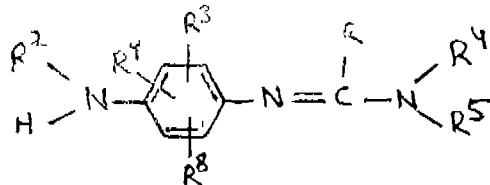
Application No. 1228/Cal/75 filed June 21, 1975.

Division of Application No. 131653 filed June 9, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

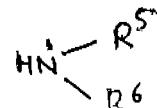
A process for the production of aminophenylamidines of the general formula I.



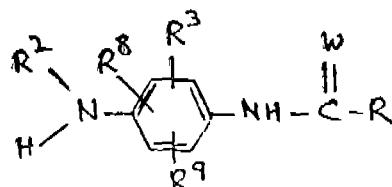
in which R is a straight or branched-chain alkyl, alkenyl or alkoxy group, R¹ is a -COR⁰ group or an -SO₂R⁷ group

[in which R⁰ is a hydrogen atom; a straight- or branched-chain alkyl, alkenyl, alkyl, alkoxy, alkenyloxy, alkynyl, alkoxyalkyloxy or alkoxyalkyl group; a cycloalkyl group or a cycloalkenyl group containing one or two double bonds, which cycloalkyl and cycloalkenyl groups can be substituted by one or more alkyl groups; a cycloalkylalkyl, benzocycloalkyl-alkyl, tetrahydrofuryl, tetrahydrofurfuryl or tetrahydropyranyl group which can be substituted by one or more alkyl groups; a trifluoromethyl group; an alkyl group substituted by one or more halogen atoms or by one or more cyano, hydroxy, acyloxy, alkoxy or oxo-groups; a carbalkoxy-alkyl group; a cycloalkyl-alkoxy group; a cycloalkoxy- or tetrahydrofurylalkoxy group; a phenylalkoxy, phenoxyalkoxy, phenoxy, phenylalkyl, phenyl, phenylalkenyl or naphthyl group, in which the aromatic ring can be substituted by one or more alkyl, alkenyl, alkoxy, hydroxy, acyloxy, nitro, trifluoromethyl, cyano, carbethoxy, alkylsulphonyl, acylamino or alkylsulphonyl-amino groups or fluorine, chlorine or bromine atoms; a hetero-aromatic ring system which can be substituted by one or more alkyl groups; a furylalkyl, thiienylalkyl, indolylalkyl, furylalkoxy or thiienylalkoxy group which can be substituted by one or more alkyl groups; or a phenylalkyl group, the alkyl part of which is substituted by a hydroxy, acyloxy, or alkoxy group; and R⁷ is a straight- or branched-chain alkyl or alkenyl group, an aralkyl group, a cycloalkyl group, or a cycloalkyl-alkyl group.]

R³, R⁴ and R⁰ can be the same or different and is each a hydrogen or halogen atom or a straight- or branched-chain alkyl, alkenyl or alkoxy group or a cyano or trifluoromethyl group; R² is a straight- or branched-chain alkyl, alkenyl, alkynyl or alkoxy group; and R⁵ is a straight- or branched-chain alkyl or alkenyl group or a cyclo-alkyl group; and their salts, in which an amine of the general formula 3.



is reacted with an anilide of the general formula 4.



[in which general formulae W, R to R³, R⁴ and R⁶ are as defined above] or with a salt or reactive derivative of the anilide.

CLASS 32F₂A & 55E₄ & 60X₂d.
Int. Cl.-C07c 123/00.

141795.

PROCESS FOR THE PRODUCTION OF NEW AMINO-PHENYLAMIDINES.

Applicant: BAYER AKTIENGESELLSCHAFT, FORMERLY KNOWN AS FARBENFABRIKEN BAYER AKTIENGESELLSCHAFT, OF LEVER-KUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: HARTMUND WOLLWEBER AND WINFRIED FLUCKE.

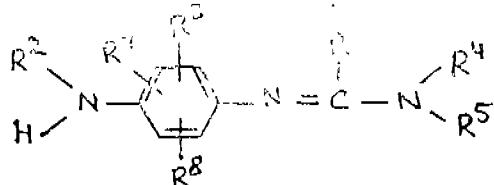
Application No. 1309/Cal/75 filed July 3, 1975.

Division of Application No. 131653 filed June 9, 1971.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A process for the production of aminophenylamidines of the general formula I.



in which R is a straight or branched-chain alkyl, alkenyl or alkoxy group;

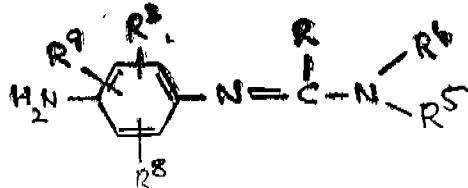
R² is a -COR^a group

[in which R^a is a hydrogen atom; a straight-or branched-chain alkyl, alkenyl, alkynyl, alkoxy, alkenyloxy, acyloxy, alkoxyalkyloxy or alkoxyalkyl group; a cycloalkyl group or a cycloalkenyl group containing one or two double bonds, which cycloalkyl and cycloalkenyl groups can be substituted by one or more alkyl groups; a cycloalkylalkyl, benzocycloalkylalkyl, tetrahydrofuryl, tetrahydrofurofuryl or tetrahydropyranyl group which can be substituted by one or more alkyl groups; a trifluoromethyl group; an alkyl group substituted by one or more halogen atoms or by one or more cyano, hydroxy, acyloxy, alkoxy or oxo-groups; a carbalkoxy-alkyl group; a cycloalkyl-alkoxy group; a cycloalkoxy- or tetrahydrofurylalkoxy group; a phenylalkoxy, phenoxyalkoxy, phenoxy, phenylalkyl, phenyl, phenyl-alkenyl or naphthyl group, in which the aromatic ring can be substituted by one or more alkyl, alkenyl, alkoxy, hydroxy, acyloxy, nitro, trifluoromethyl, cyano, carbethoxy, alkylsulphonyl, acylamino or alkylsulphonyl-amino groups or fluorine, chlorine or bromine atoms; a hetero-aromatic ring system which can be substituted by one or more alkyl groups; a furylalkyl, thiienyl-alkyl, indolylalkyl, furylalkoxy or thiienylalkoxy group which can be substituted by one or more alkyl groups; or a phenylalkyl group, the alkyl part of which is substituted by a hydroxy, acyloxy, or alkoxy group.]

R^a, R⁸ and R⁹ can be the same or different and is each a hydrogen or halogen atom or a straight - or branched-chain alkyl, alkenyl or alkoxy group or a cyano or trifluoromethyl group;

R² is a straight- or branched-chain alkyl, alkenyl, alkynyl or alkoxy group; and

R^a is a straight- or branched-chain alkyl or alkenyl group or a cyclo-alkyl group; and their salts, which comprises reacting an aminophenylamide of the general formula I.



with an acylating agent of the general formula :—

Y - Z

in which general formulae R, R⁴, R⁶, R⁸ and R⁹ have the meanings above Z, is a group -COR' in which R' is as defined above, and Y is a reactive acid group or a halogen atom.

CLASS 32F, & F₂b. & 60X₂d.

141796.

Int. Cl.-C07d 7/12.

PROCESS FOR THE PRODUCTION OF 2-AMINO-4-H-PYRANE DERIVATIVES.

Applicant: BAYER AKTIENGESELLSCHAFT, OF LEVER-KUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors: HORST MAYER, FRIEDRICH BOSSERT, WULF VATER AND KURT STOEPEL.

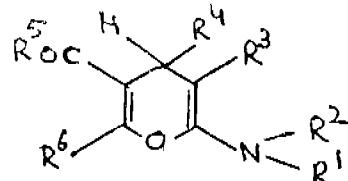
Application No. 2092/Cal/75 filed October 30, 1975.

Division of Application No. 1422/Cal/73 filed June 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for the production of 2-amino-4H-pyrane derivatives of the general formula I.



in which

R⁴ and R⁵=hydrogen.

R² is a radical -COR' in which R' is a straight-chain branched or cyclic saturated or unsaturated aliphatic hydrocarbon radical;

R⁵ is a straight-chain, branched or cyclic alkyl or alkenyl radical, or an aryl radical optionally carrying one, two or three identical or different substituent(s) selected from alkyl alkoxy, halogen, nitro, trifluoromethyl, carbalkoxy and -SO_n Alkyl (n=0, 1 or 2) radicals, or a naphthyl, quinolyl, pyridyl, thenyl or furyl radical optionally carrying as substituent an alkyl, halogen or alkoxy radical;

R⁶ is a straight-chain, branched or cyclic alkyl radical; or a radical -OR" in which R" is a straight-chain, branched or cyclic radical consisting of a hydrocarbon chain optionally interrupted by one or two oxygen atoms and optionally containing one or more double or triple bonds; and

R^a is a hydrogen-atom or an alkyl radical characterized by reacting an α, β-unsaturated dicarbonyl compound of the general formula II.



in which R⁴, R⁵ and R⁶ have the meaning given above with a cyano acetic acid ester of the general formula III.

R^a-CH₂-CN

in which

R^a is a -COOR' radical as defined above in an inert organic solvent at a temperature between 10 and 200°C.

OPPOSITION PROCEEDINGS

An opposition has been entered by Tractel Tirfor India Private Limited against the grant of a patent on application No. 140363 made by Jagat Seth.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy:—

(1)

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PATENTS SEALED

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AMENDMENT PROCEEDINGS UNDER SECTION 57.

(1)

Notice is hereby given that Orissa Cement Limited, an Indian Public Limited Company and Mridu Hari Dalmia, Indian National, both of Raiganjpur, Dist. Sundargarh, Orissa, India, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 119630 for "Improved fuel composition". The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on any working day during the usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition, it shall be left within one month from the date of filing the said notice.

(2)

The amendment proposed by "Du Pont De Nemours & Company" in respect of Patent application No. 139370 and advertised in Part III, Section 2 of the Gazette of India dated 9th October 1976 has been allowed.

RENEWAL FEES PAID

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 139389 139913

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class 1. No. 144842. Hindustan Electro Metallics, of Block No. 11-12, "Nimco" Tiles Compound, Industrial Estate, Lalbaug, Bombay-400012, State of Maharashtra, India a partnership firm registered under the Indian Partnership Act. "Side-car for scooter and motor-cycle". October 25, 1976.

Class 1. No. 144858. Super Accessories, a registered Indian partnership firm, at D-7, Udyog Sadan, II Central Road Andheri (East), Bombay-400093, Maharashtra (India). "Flap for motorcycle rear carrier". October 30, 1976.

Class 1. Nos. 144864 to 144867. Afeo Limited. Incorporated in India, 9, Wallace Street, Fort, City of Bombay, State of Maharashtra, India. "Heat sinks". October 30, 1976.

Class 1. Nos. 144891 & 144893. Asian Advertisers, 20, Kala Bhavan, 6th Floor, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra State, India, an Indian partnership firm. "Key chain". November 8, 1976.

Class 3. No. 144619. S. B. Industries (India) 17/3, Chandra Bhaga, Juri Indore, Indore (M.P.), an Indian partnership concern. "Soles of shoes". August 12, 1976.

Class 3. No. 144753. Sonodyne Electronics Co. Pvt. Ltd., an Indian Company, 7, Sourin Roy Road, Calcutta-34, West Bengal, India. "Speaker for amplifier". September 25, 1976.

Class 3. No. 144786. Rajpal Plastic Industries, 303 Neelkanth, 98, Marine Drive, Bombay-400002, Maharashtra, India, an Indian Partnership firm. "Cutlery container". October 11, 1976.

Class 3. No. 144787. Tie Ho Incorporation, 288/90, Nagdevi Street, 1st floor Room No. 12, A, Bombay-400003, Maharashtra, India, an Indian Partnership firm. "Cap of bottle". October 11, 1976.

Class 2. No. 144813. Autobrite (India) Private Ltd., of 408, Himalaya House, Palton Road, Bombay-1, Maharashtra State, India, an Indian Company. "A bangle". October 16, 1976.

Class 3. Nos. 144823 to 144825. Asian Advertisers, 20, Kala Bhavan, 4th floor, 3, Mathew Road, Opera House, Bombay-400004, Maharashtra State, India, an Indian partnership firm. "Key chain". October 18, 1976.

Class 3. No. 144856. Tiger Hardware and Tools Limited, An Indian Company, Maris Road, Aligarh, U.P., India. "Toy piston". October 30, 1976.

Class 3. No. 144857. Raj Kumar Jain, Proprietor of Eagle Plastics, 6-Raghushree, Ajmeri Gate, Delhi-110006, India, Indian National. "Tap shower". October 30, 1976.

Class 3. Nos. 144894 & 144895. Att India, Chandra Mahal, 1st floor, 241, Princess Street, Bombay-400002, Maharashtra State, India, an Indian partnership firm. "Bead". November 8, 1976.

Class 3. No. 144920. Arvind Plastic Industries, 17/5, Ganko Industrial Estate, Ramchandia Lane, Malad (East), Bombay-400064, Maharashtra State, an Indian partnership firm. "Mirror". November 12, 1976.

Class 11. No. 144836. Jean Manufacturing Company private Limited (A Company Incorporated under the Indian Companies Act), C-37, Anna Ram House, Connaught Place, New Delhi-110001. "Jeans". October 21, 1976.

S. VEDARAMAN,
Controller-General of Patents,
Designs and Trade Marks.

